Emission cut *vis-a-vis* climate friendly infrastructure

*254. SHRIMATI SYEDA ANWARA TAIMUR:
SHRI VIJAY JAWAHARLAL DARDA:

Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

(a) whether it is a fact that, according to McKinsey and Company's final report on "Environmental and Energy Sustainability", presented in September, 2009, 80 per cent of the country's infrastructure is still to be built and if built in a more climate friendly fashion, the country can achieve more emission cuts; and

(b) if so, whether Government will introduce a mandatory condition that in future raising of infrastructure will be in a climate friendly fashion and ensure compliance thereof through a monitoring mechanism?

THE MINISTER OF STATE OF THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRI JAIRAM RAMESH): (a) and (b) Government is aware of a report prepared by McKinsey and Company which claims that 80 per cent of the buildings and appliances yet to be built or used till 2030, there is an opportunity to capture further energy-efficiency potential in building, appliances and lighting. The Report claims that this can lead to reduction in electricity demand from this sector by more than 30 per cent and reduction in emissions by about 340 million tonnes CO_2 equivalent by 2030. Approximately 80 per cent of this potential could be captured by ensuring efficiency building envelopes for new building, high-efficiency appliances and electronics, and energy-efficient lighting.

The National Action Plan on Climate Change includes National Mission for Enhanced Energy Efficiency and National Mission on Sustainable Habitat that have the objective of enhancing energy efficiency, *inter alia*, in buildings and appliances. The Ministry of New and Renewable Energy (MNRE) has adopted norms for green buildings under Green Rating for Integrated Habitat Assessment (GRIHA) rating system. Bureau of Energy Efficiency (BEE) has developed Energy Conservation Building code, 2007.

Generation of solar power

*255. SHRI S. ANBALAGAN: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether there is any proposal to generate 1,000 MW of solar power by 2013;

(b) if so, the details thereof and the action plan for the same; and

(c) the locations in the country where the solar power plants are proposed to be set up and the steps taken in this direction?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) and (b) Yes, Sir. Government has recently approved Jawaharlal Nehru National Solar Mission to develop solar energy technologies to make solar power competitive to conventional grid power. Government has also approved the target, for the first phase of the Mission, to set up 1,000 MW